

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01R13/453

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 167 516 A (TAN HAW-CHAN ET AL) 1 December 1992 (1992-12-01) column 4, line 7 - line 46; claim 1; figures 1-3B	1-15
X	EP 1 318 568 A (FRAMATOME CONNECTORS INT) 11 June 2003 (2003-06-11) paragraphs '0012!', '0013!'; figures 1,2	9-13
X	US 5 035 633 A (KOBAYASHI HIROMICHI ET AL) 30 July 1991 (1991-07-30) claim 1; figure 4	9-12
X	US 5 961 337 A (KORDES KURT A) 5 October 1999 (1999-10-05) column 4, line 22 - line 44; figures 3,4	9-12
	----- -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

2 December 2004

Date of mailing of the international search report

10/12/2004

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax (+31-70) 340-3016

Authorized officer

Jiménez, J

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 176 712 B1 (HUANG CHIN-CHU) 23 January 2001 (2001-01-23) abstract; claims 2,3 -----	9-12

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5167516	A	01-12-1992	NONE	
EP 1318568	A	11-06-2003	JP 2003173841 A EP 1318568 A2 US 2003119348 A1	20-06-2003 11-06-2003 26-06-2003
US 5035633	A	30-07-1991	JP 2222087 A DE 4005646 A1	04-09-1990 30-08-1990
US 5961337	A	05-10-1999	NONE	
US 6176712	B1	23-01-2001	TW 391572 Y DE 29918007 U1 FR 2786032 A1	21-05-2000 16-12-1999 19-05-2000